

year's annual session of the California Medical Association.

In that report you gave statistics concerning the number of those who had taken written examinations and reciprocity-oral examinations. The figures were not given for the year 1945.

* * *

I am writing to ask if you have statistics for the first six months of the current year.

Inquiries have come in asking for information concerning the number of physicians who have not had licenses in California, and who are applying for such either through written examinations or through reciprocity-oral examinations.

What information can you give us in regard thereto?

* * *

Under the present interpretation of the Medical Practice Act for M.D. physicians and surgeons, how often is the State Board of Medical Examiners holding examinations?

Cordially yours,

GEORGE H. KRESS, M.D., *Editor.*

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(COPY)

STATE OF CALIFORNIA

Department of

PROFESSIONAL AND VOCATIONAL STANDARDS

Board of Medical Examiners

Sacramento, California, September 26, 1945.

Yours of September 21st. Re: Statistics.

Dear Doctor Kress:

In view of the law which states that an examination must be afforded an applicant within six months of the filing date, the numbers of examinees so falling due will determine the number of oral examinations we will have each year.

Written examinations are usually conducted four times a year. A written examination is held at each regular meeting of the Board of which there are three, and a special written examination was held this year in San Francisco to accommodate those who, because of the accelerated medical course, were graduating at a time falling between our regular examinations. We enclose herewith a memo giving the number of applications for written examination and the number of applications for reciprocity filed between January 1 and July 1, 1945.

Our statistics are as follows:

Class A: Written.....	342
Class C: Reciprocity.....	382
Class D: Government Credentials.....	16
Class G: National Board.....	47

787

Very truly yours,

(Signed) FREDERICK N. SCATENA, M.D.,
Secretary-Treasurer.

Concerning Relative Amount of Energy in Climbing and Walking:

STANFORD UNIVERSITY

Department of Physiology

Stanford University, California, Sept. 17, 1945.

Dear Mr. Kress:

In reply to your letter of Aug. 13 requesting information for Mr. Jerry Carpenter, State Chamber of Commerce regarding "the relative amount of energy required

by men and women in climbing stairs, as against traveling on level ground."

The most accurate work along this line that I have found is "Gaseous Exchange and Physiological Requirements for Level and Grade Walking," by H. M. Smith, Publication No. 309, Carnegie Institution of Washington, 1922. In this paper it is shown that the increase in energy expenditure in walking horizontally amounts to about 0.5 gram calories per kilogrammeter. Walking up a grade requires an expenditure of 7.5 gram calories per kilogrammeter. Stairs are usually built so that the tread (horizontal distance) and the riser (vertical distance) are definitely related, e.g., 2 risers plus one tread = 23". On the stairs in my house the riser = 16.5 cm. and the tread = 28.5 cm. A 50 kilo man climbing 10 such steps would expend energy as follows:

Horizontal progression, $50 \times 10.0 \times 0.285 \times 0.5 = 71.25$ gm. cal.
Vertical progression, $50 \times 10.0 \times 0.165 \times 7.5 = 608.75$ gm. cal.

Therefore it requires nine times as much energy to climb the stairs as it would to progress the same horizontal distance.

I hope this information is adequate but will be glad to go into the subject at greater length if need be.

Yours sincerely,

J. PERCY BAUMBERGER,
(*Prof. Physiol.*)

Concerning Generous Gift to Barlow Sanatorium by Los Angeles Elks:

THE BARLOW SANATORIUM ASSOCIATION

Incorporated under the Eleemosynary Laws of California

1301 Chavez Ravine Road

Founded by Dr. W. Jarvis Barlow

Los Angeles, California, October 2, 1945.

CALIFORNIA AND WESTERN MEDICINE

450 Sutter — Room 2004

San Francisco, California.

Sirs:

This is to announce that the Barlow Sanatorium of Los Angeles has just received a gift of \$12,000 from the B.P.O. Elks Lodge No. 99 of Los Angeles for the establishment of a library for research in tuberculosis.* This fund is intended to finance the erection of a small building, the purchase of furniture and equipment, books and medical journal subscriptions. It is hoped to build up as complete a library as possible in the field of tuberculosis and diseases of the chest.

This library will be designed to serve the staff of the Sanatorium, the teaching of student nurses in tuberculosis, teaching of medical students from the University of Southern California in tuberculosis, post graduate courses for physicians in tuberculosis, an physicians or other persons in this area seriously interested in tuberculosis. The reading room of the library will be designed for use as a class room for staff meetings, committee meetings, lectures, etc.

It will be known as the Elks' Tuberculosis Library of the Barlow Sanatorium.

Sincerely,

The Barlow Sanatorium Association,
HOWARD W. BOSWORTH, M.D.,
Medical Director.

* Coöperation of B.P.O. Elks Lodge No. 99 of Los Angeles made it possible for California Medical Association to obtain meeting room facilities for the annual session held this year on May 6-7, 1945.

The late W. Jarvis Barlow, M.D., founder of the Barlow Sanatorium also founded the Barlow Medical Library, later to become the Library of the Los Angeles County Medical Association.—Ed.